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About Cedar Root

Since 2003, Cedar Root has partnered with industry to improve client business performance employing a proven, time tested, data driven methodology that aligns employees with the flawless execution of vital business processes most influential to the balance sheet and income statement.

Course Description

One-Day Executive Lean Six Sigma Workshop

Participate in a one-day highly engaging Lean Six Sigma Workshop that exposes participants to a hands-on understanding and application of the Lean Six Sigma Breakthrough Strategy. Participants will work as a project team to solve a typical business process that has challenging inefficiencies. This workshop will allow all participants to not only **apply** these tools in a real project setting but to also **see** and **feel** the results.

Introduction to Lean Six Sigma Breakthrough Strategy

A brief introduction of the Lean Six Sigma Breakthrough strategy are presented. Topics include typical Lean Six Sigma deployments, lessons learned, and an overview of the Define, Measure, Analyze, Improve and Control project strategy. A card drop exercise summarizes this introduction illustrating how Lean Methods complement Six Sigma and how Six Sigma compliments Lean Methods. A very simple yet powerful demonstration.

Sigma Express – Business Process Simulation

This workshop assigns all participants with a specific job/task in a simulated organization called Sigma Express. The CEO of Sigma Express is being criticized by key customers for delivering products late and with multiple defects. The CEO has asked the Sigma Express organization to improve its efficiency and effectiveness to prevent the loss of these key customers.

Round 1: Define/Measure Phase: The first round of this business simulation will entail validating the current state process from a customer perspective. Topics include Project Definition, Voice of the Customer, Process Measures, Value Stream Mapping, Little's Law, 7 Elements of Waste, Bottleneck Rate, Process Lead Time, Process Efficiency, Sigma Capability.

Round 2: Analyze Phase: The second round will entail collecting and analyzing process data leading to the root causes of the process inefficiencies and customer defects. Rapid improvement opportunities resulting from the value stream map are also presented. Topics include Bottleneck ID, Takt Time, Takt Rate, Value Analysis, Intro. to Rapid Improvement, Brainstorming, Basic Decision Analysis, and Root Cause Analysis.

Round 3: Improve/Control Phase: The third and final round will allow team participants to apply the tools learned in the workshop to remove process inefficiencies as well as eliminate customer defects. Specifically, the team will remove non-value added process steps and learn how to redirect business value added steps outside of the critical path. Topics include Brainstorming, Process Flow Improvement, Waste Reduction Strategies, Piloting and Implementing Solutions.